

U.S. Application Serial No. 10/693,329
Attorney Docket: 46675-0005
Reply to Office Action of August 29, 2006

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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-2 (CANCELED)

3. (CURRENTLY AMENDED) The system of claim 6 [[12]] further comprising a housing for positioning said plurality of light sources to direct light toward the means for collecting light.

4. (CURRENTLY AMENDED) The system of claim 6 [[12]] wherein said plurality of light sources comprise a panel of LEDs.

5. (CANCELED)

6. (CURRENTLY AMENDED) A light collection [[The]] system of ~~claim 12~~ comprising:

means for collecting light, said means having a plurality of surfaces; and
a plurality of light sources being capable of producing output light and positioned to direct said output light toward said means for collecting light, wherein said plurality of light sources comprise a panel of LEDs and a plurality of parabolic concentrators positioned to direct said output light from the LEDs towards the means for collecting light;

wherein said surfaces direct said output light from said light sources in a direction towards a target area, wherein one of said plurality of light sources directs output light through a top portion of the means for collecting light, and wherein said means for collecting light and said plurality of surfaces include optical coatings to create a consistent set of indices of refraction.

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7. (CURRENTLY AMENDED) The system of claim 6 [[12]] wherein the light sources comprise a plurality of LEDs each being capable of providing between about 1-5 watts at 1 amp.

8. (CURRENTLY AMENDED) The system of claim 6 [[12]] wherein the plurality of light sources comprise a plurality of LEDs each being capable of providing at least 80 lumens at 1 amp and 3 watts.

9. (CANCELED)

10. (CURRENTLY AMENDED) The system of claim 6 [[12]] wherein surfaces of the means for collecting light have a silicon oxide thin film.

Claims 11-12 (CANCELED)

13. (CURRENTLY AMENDED) The system of claim 6 [[12]] further comprising an image panel, wherein said means for collecting light is used to direct the light toward the image panel.

Claims 14-16 (CANCELED)

17. (CURRENTLY AMENDED) The system of claim 6 [[12]] wherein:
a first of said surfaces reflects light from a first of said light sources;
a second of said surfaces reflects light from a second of said light sources;
a third of said surfaces reflects light from a third of said light sources; and

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a fourth of said surfaces reflects light from a fourth of said light sources.

Claims 18-38 (CANCELED)

39. (PREVIOUSLY PRESENTED) The system of claim 43 further comprising a housing for positioning said light sources to direct light toward the means for collecting light.

40. (PREVIOUSLY PRESENTED) The system of claim 43 wherein said light sources comprise a panel of LEDs.

41. (PREVIOUSLY PRESENTED) The system of claim 43 wherein said light sources comprise a panel of LEDs and a plurality of parabolic concentrators positioned to direct light from the LEDs towards the means for collecting light.

42. (PREVIOUSLY PRESENTED) The system of claim 43 wherein surfaces of the means for collecting light have a silicon oxide thin film.

43. (PREVIOUSLY PRESENTED) A light collection system, comprising:
means for collecting light, said means having a plurality of surfaces, and
a plurality of light sources positioned to direct light toward said means for collecting light,
wherein said surfaces direct light from said light sources in a direction towards a target area and
wherein a light source directs light through the means for collecting light, said light exiting through a top
portion of the means for collecting light having a truncated pyramid shape, wherein said means for

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collecting light and said plurality of surfaces include optical coatings to create a consistent set of indices of refraction.

44. (PREVIOUSLY PRESENTED) A light collection system comprising:
means for collecting light, said means having a plurality of surfaces,
a plurality of light sources positioned to direct light toward said means for collecting light,
wherein said surfaces direct light from said light sources in a direction towards a target area and
wherein a light source directs light through the means for collecting light, said light exiting through a top
portion of the means for collecting light having a truncated pyramid shape, and
an image panel, wherein said means for collecting light is used to direct light toward the image
panel.

45. (PREVIOUSLY PRESENTED) A light collection system, comprising:
means for collecting light, said means having a plurality of surfaces, and
a plurality of light sources positioned to direct light toward said means for collecting light,
wherein said surfaces direct light from said light sources in a direction towards a target area and
wherein a light source directs light through the means for collecting light, said light exiting through a top
portion of the means for collecting light having a truncated pyramid shape, and
wherein:
a first of said surfaces reflects light from a first of said light sources,
a second of said surfaces reflects light from a second of said light sources,
a third of said surfaces reflects light from a third of said light sources, and
a fourth of said surfaces reflects light from a fourth of said light sources.

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46. (CANCELED)

47. (PREVIOUSLY PRESENTED) The system of claim 51 further comprising a housing for positioning said plurality of light sources.

48. (PREVIOUSLY PRESENTED) The system of claim 51 wherein said plurality of light sources comprise a panel of LEDs.

49. (PREVIOUSLY PRESENTED) The system of claim 51 wherein said plurality of light sources comprise a panel of LEDs and a plurality of parabolic concentrators positioned to direct light from the LEDs towards the light collector.

50. (PREVIOUSLY PRESENTED) The system of claim 51 wherein surfaces of said light collector have a silicon oxide thin film.

51. (PREVIOUSLY PRESENTED) A light collection system comprising:
a light collector, said light collector having a plurality of surfaces and a truncated pyramid shape,
and
a plurality of light sources positioned to direct light toward said light collector, wherein said plurality of surfaces direct light from said plurality of light sources in a direction towards a target area and one of said plurality of light sources directs light through the light collector, said light exiting through a top portion of the light collector, and wherein said light collector and said plurality of surfaces include optical coatings to create a consistent set of indices of refraction.

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52. (PREVIOUSLY PRESENTED) A light collection system comprising:

a light collector, said light collector having a plurality of surfaces and a truncated pyramid shape,
a plurality of light sources positioned to direct light toward said light collector, wherein said plurality of surfaces direct light from said plurality of light sources in a direction towards a target area and one of said plurality of light sources directs light through the light collector, said light exiting through a top portion of the light collector, and

an image panel, wherein said light collector is used to direct light toward the image panel.

53. (PREVIOUSLY PRESENTED) A light collection system comprising:

a light collector, said light collector having a plurality of surfaces and a truncated pyramid shape,
and

a plurality of light sources positioned to direct light toward said light collector, wherein said plurality of surfaces direct light from said plurality of light sources in a direction towards a target area and one of said plurality of light sources directs light through the light collector, said light exiting through a top portion of the light collector, and

wherein:

a first of said surfaces reflects light from a first of said light sources,
a second of said surfaces reflects light from a second of said light sources,
a third of said surfaces reflects light from a third of said light sources, and
a fourth of said surfaces reflects light from a fourth of said light sources.